#### **AMENDMENTS TO THE CLAIMS:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

#### **Listing of Claims:**

1. (Currently amended) A compound comprising the formula:

**(I)** 

wherein:

R<sub>1</sub> is a polymeric residue;

 $Y_1$  is O, S or  $NR_4$ ;

M is O, S or NR<sub>5</sub>;

E, is

$$\begin{array}{c|c} & & & Y_2 \\ \hline \begin{pmatrix} R_7 \\ C \\ R_6 \end{pmatrix} & C \\ \hline \end{pmatrix}_n^{P_2}$$

 $E_{2-4}$  are independently H,  $E_1$  or

$$\begin{array}{c|c}
 & Y_3 \\
 & \parallel \\
 & C \\
 & \downarrow \\
 & R_8
\end{array}$$

- (a) is zero or one;
- (m) is zero or a positive integer;
- (n) and (p) are independently 0 or a positive integer;

 $Y_{2-3}$  are independently O, S or  $NR_{10}$ ;

 $R_{2-10}$  are independently selected from the group consisting of hydrogen,

 $C_{1-6}$  alkyls,  $C_{3-12}$  branched alkyls,  $C_{3-8}$  cycloalkyls,  $C_{1-6}$  substituted alkyls,  $C_{3-8}$  substituted cycloalkyls, aryls, substituted aryls, aralkyls,  $C_{1-6}$  heteroalkyls, substituted  $C_{1-6}$  heteroalkyls,  $C_{1-6}$  alkoxy, phenoxy and  $C_{1-6}$  heteroalkoxy;

 $D_1$  and  $D_2$  are independently  $\Theta H$ ,

or a terminal branching group;

wherein

(v) and (t) are independently 0 or a positive integer up to about 6;

L<sub>1</sub> and L<sub>2</sub> are independently selected bifunctional linkers;

Y<sub>4-7</sub> are independently selected from the group consisting of O, S and NR<sub>17</sub>;

 $R_{11-17}$  are independently selected from the group consisting of hydrogen,  $C_{1-6}$  alkyls,  $C_{3-12}$  branched alkyls,  $C_{3-8}$  cycloalkyls,  $C_{1-6}$  substituted alkyls,  $C_{3-8}$  substituted cycloalkyls, aryls, substituted aryls, aralkyls,  $C_{1-6}$  heteroalkyls, substituted  $C_{1-6}$  heteroalkyls,  $C_{1-6}$  alkoxy, phenoxy and  $C_{1-6}$  heteroalkoxy heteroakoxy;

Ar is a moiety which when included in Formula (I) forms a multi-substituted aromatic hydrocarbon or a multi-substituted heterocyclic group; and

B<sub>1</sub> and B<sub>2</sub> are independently selected from the group consisting of leaving groups, OH, residues of hydroxyl-containing moieties or amine-containing moieties; or a terminal branching group of the formula

wherein

E35 is

$$\begin{array}{c|c} & & Y_2 \\ \hline & & & \\ C & & C \\ \hline & & n \\ \end{array}$$

E<sub>36-38</sub> are independently H, E<sub>35</sub> or

$$\begin{array}{c|c}
 & Y_3 \\
 & & \\
 & C \\
 & & C
\end{array}$$

$$\begin{array}{c|c}
 & C \\
 & & C
\end{array}$$

$$\begin{array}{c|c}
 & C \\
 & & C
\end{array}$$

D', is

<u>or</u> (VII)

D', is OH.

<u>or</u>

(VII) 
$$E_{45}$$
  $-N - C - E_{46}$   $E_{48}$  .  $E_{47}$ 

wherein

 $E_{45}$  is

$$\begin{array}{c|c}
 & Y_2 \\
 & X_1 \\
 & X_2 \\
 & X_3 \\
 & X_4 \\
 & X_5 \\
 & X_6 \\
 &$$

### E<sub>46-48</sub> are independently H, E<sub>45</sub> or

$$\begin{array}{c|c}
 & Y_3 \\
 & \parallel \\
 & C \\
 & P \\
 & R_8
\end{array}$$

<u>wherein</u>

<u>D'', is</u>

<u>or</u>

<u>D''<sub>2</sub> is OH,</u>

$$-J - \left\{\begin{matrix} L_1 \\ L_2 \end{matrix}\right\}_t C C C C B_1$$

$$R_{13} R_{15} Y_5 C C C B_1$$

$$R_{14} R_{18}$$

$$R_{11}$$

$$R_{11}$$

<u>or</u>

provided that  $E_{2.4}$  are not all H and  $D_1$  and  $D_2$  are both not OH.

2. (Original) The compound of claim 1, wherein  $R_1$  further comprises a capping group A, selected from the group consisting of hydrogen, NH<sub>2</sub>, OH, CO<sub>2</sub>H,  $C_{1.6}$  moieties and

$$E_{2} \xrightarrow{\begin{array}{c} E_{1} \\ \\ \\ \\ E_{3} \end{array}} \underbrace{\begin{array}{c} Y_{1} \\ \\ \\ C \end{array}}_{C} \xrightarrow{\left(M\right)_{a} \left(\begin{array}{c} R_{2} \\ \\ \\ C \end{array}\right)_{m}}_{a}$$

3. (Original) A compound of claim 2, comprising the formula:

- 4. (Cancelled)
- 5. (Previously amended) The compound of claim 3, wherein  $Y_1$  is O.
- 6. (Original) The compound of claim 1, wherein R<sub>1</sub> comprises a polyalkylene oxide residue.
- 7. (Original) The compound of claim 6, wherein R<sub>1</sub> comprises a polyethylene glycol residue.
- 8. (Original) The compound of claim 3, wherein R<sub>1</sub> comprises a polyethylene glycol residue.
- 9. (Original) The compound of claim 6, wherein R<sub>1</sub> is selected from the group consisting of
- -C(=Y<sub>6</sub>)-(CH<sub>2</sub>)<sub>f</sub>-O-(CH<sub>2</sub>CH<sub>2</sub>O)<sub>x</sub>-A,
- $-C(=Y_6)-Y_7-(CH_2)_5-O-(CH_2CH_2O)_x-A$
- -C(=Y<sub>6</sub>)-NR<sub>23</sub>-(CH<sub>2</sub>)<sub>C</sub>O-(CH<sub>2</sub>CH<sub>2</sub>O)<sub>x</sub>-A,
- -(CR<sub>24</sub>R<sub>25</sub>)<sub>e</sub>-O-(CH<sub>2</sub>)<sub>c</sub>-O-(CH<sub>2</sub>CH<sub>2</sub>O)<sub>x</sub>-A,
- -NR<sub>23</sub>-(CH<sub>2</sub>)<sub>C</sub>O-(CH<sub>2</sub>CH<sub>2</sub>O)<sub>x</sub>-A,

$$\begin{split} -C(=Y_6)-(CH_2)_{f'}O-(CH_2CH_2O)_x-(CH_2)_{f'}C(=Y_6)-, \\ -C(=Y_6)-Y_7-(CH_2)_{f'}O-(CH_2CH_2O)_x-(CH_2)_{f'}Y_7-C(=Y_6)-, \\ -C(=Y_6)-NR_{23}-(CH_2)_{f'}O-(CH_2CH_2O)_x-(CH_2)_{f'}NR_{23}-C(=Y_6)-, \\ -(CR_{24}R_{25})_{o}-O-(CH_2)_{f'}O-(CH_2CH_2O)_x-(CH_2)_{f'}O-(CR_{24}R_{25})_{e''}, \text{ and} \\ -NR_{23}-(CH_2)_{f'}O-(CH_2CH_2O)_x-(CH_2)_{f'}NR_{23}- \\ \text{wherein: } Y_6 \text{ and } Y_7 \text{ are independently O, S or } NR_{23}, \\ \text{x is the degree of polymerization;} \end{split}$$

 $R_{23}$ ,  $R_{24}$  and  $R_{25}$  are independently selected from among H,  $C_{1.6}$  alkyls,  $C_{3.12}$  branched alkyls,  $C_{3.8}$  cycloalkyls,  $C_{1.6}$  substituted alkyls,  $C_{3.8}$  substituted cycloalkyls, aryls, substituted aryls, aralkyls,  $C_{1.6}$  heteroalkyls, substituted  $C_{1.6}$  heteroalkyls,  $C_{1.6}$  alkoxy, phenoxy and  $C_{1.6}$  heteroalkoxy;

e and f are independently zero, one or two; and

A is a capping group.

- 10. (Original) The compound of claim 9, wherein  $R_1$  comprises -O-( $CH_2CH_2O$ )<sub>x</sub> and x is a positive integer so that the weight average molecular weight is at least about 20,000.
- 11. (Original) The compound of claim 3, wherein  $R_1$  has a weight average molecular weight of from about 20,000 to about 100,000.
- 12. (Original) The compound of claim 3, wherein  $R_1$  has a weight average molecular weight of from about 25,000 to about 60,000.

#### 13. (Original) A compound of claim 3, comprising the formula

# 14. (Original) The compound of claim 13, wherein D<sub>1</sub> is

## 15. (Original) The compound of claim 13, wherein D<sub>1</sub> is

16. (Original) The compound of claim 1, wherein L<sub>1</sub> is (CH<sub>2</sub>CH<sub>2</sub>O)<sub>2</sub>.

17. (Original) The compound of claim 1, wherein  $L_2$  is selected from the group consisting of -CH<sub>2</sub>-, -CH(CH<sub>3</sub>)-, -CH<sub>2</sub>C(O)NHCH(CH<sub>3</sub>)-, -(CH<sub>2</sub>)<sub>2</sub>-, -CH<sub>2</sub>C(O)NHCH<sub>2</sub>-, -(CH<sub>2</sub>)<sub>2</sub>-NH-, -(CH<sub>2</sub>)<sub>2</sub>-NH-C(O)(CH<sub>2</sub>)<sub>2</sub>NH- and -CH<sub>2</sub>C(O)NHCH(CH<sub>2</sub>CH(CH<sub>3</sub>)<sub>2</sub>)-.

18. (Original) A compound of claim 1, selected from the group consisting of:

wherein R<sub>1</sub> is a PEG residue and D is selected from the group consisting of:

where B is a residue of an amine or a hydroxyl- containing drug.

19. (Original) A compound of claim 18, wherein B is a residue of a member of the group consisting of: daunorubicin, doxorubicin; p-aminoaniline mustard, melphalan, Ara-C (cytosine arabinoside), leucine-Ara-C, and gemcitabine

20. (Original) A method of treatment, comprising administering to a mammal in need of such treatment an effective amount of a compound of claim 1, wherein  $D_1$  is a residue of a biologically active moiety.

- 21. (Original) A method of treatment, comprising administering to a mammal in need of such treatment an effective amount of a compound of claim 18.
- 22. (Currently Amended) The compound of claim 1, wherein Ar comprises the formula:

wherein  $R_{11}$  and  $R_{18-20}$  are individually selected from the group consisting of hydrogen,  $C_{1-6}$  alkyls,  $C_{3-12}$  branched alkyls,  $C_{3-8}$  cycloalkyls,  $C_{1-6}$  substituted alkyls,  $C_{3-8}$  substituted cycloalkyls, aryls, substituted aryls, aralkyls,  $C_{1-6}$  heteroalkyls, substituted  $C_{1-6}$  heteroalkyls,  $C_{1-6}$  alkoxy, phenoxy and  $C_{1-6}$  heteroalkoxy heteroakoxy.

- 23. (Original) The compound of claim 22, wherein R<sub>11</sub> and R<sub>18-20</sub> are each H or CH<sub>3</sub>.
- 24. (Previously Presented) A method of preparing a polymer conjugate, comprising: reacting a compound of the formula (VIII):

$$H-J \longrightarrow L_{1} \longrightarrow L_{2} \longrightarrow L_{2}$$

wherein

(v) and (t) are independently 0 or a positive integer up to about 6; J is NR<sub>12</sub> or

L<sub>1</sub> and L<sub>2</sub> are independently selected bifunctional linkers;

Y<sub>4-5</sub> are independently selected from the group consisting of O, S and NR<sub>17</sub>;

 $R_{11-17}$  are independently selected from the group consisting of hydrogen,  $C_{1-6}$  alkyls,  $C_{3-12}$  branched alkyls,  $C_{3-8}$  cycloalkyls,  $C_{1-6}$  substituted alkyls,  $C_{3-8}$  substituted cycloalkyls, aryls, substituted aryls, aralkyls,  $C_{1-6}$  heteroalkyls, substituted  $C_{1-6}$  heteroalkyls,  $C_{1-6}$  alkoxy, phenoxy and  $C_{1-6}$  heteroalkoxy;

Ar is a moiety which when included in Formula (I) forms a multi-substituted aromatic hydrocarbon or a multi-substituted heterocyclic group; and

B'<sub>1</sub> is a residue of a hydroxyl- or an amine-containing moiety; with a compound of the formula (IX):

$$R_{1} = \left\{ \begin{array}{c} R_{2} \\ C \\ R_{3} \end{array} \right\}_{m} \left( \begin{array}{c} Y_{1} \\ M \\ A \end{array} \right)_{a} \left( \begin{array}{c} E_{5} \\ C \\ C \\ E_{8} \end{array} \right)_{E_{7}} \left( \begin{array}{c} E_{5} \\ C \\ C \end{array} \right)$$

wherein

$$E_s$$
 is  $\begin{pmatrix} R_7 \\ C \\ C \end{pmatrix}_n \begin{pmatrix} Y_2 \\ C \\ D_3 \end{pmatrix}$ 

E<sub>6-8</sub> are independently H, E<sub>5</sub> or

$$\begin{array}{c|c}
 & Y_3 \\
 & \parallel \\
 & C \\
 & \downarrow \\
 & R_8
\end{array}$$

D<sub>3</sub> and D<sub>4</sub> are independently OH, a leaving group which is capable of reacting with an unprotected amine or hydroxyl or a terminal branching group;

R<sub>1</sub> is a polymeric residue;

Y<sub>1</sub> is O, S or NR<sub>4</sub>;

M is O, S or NR<sub>5</sub>;

- (a) is zero or one;
- (m) is 0 or a positive integer;
- (n) and (p) are independently 0 or a positive integer;

Y<sub>2-3</sub> are independently O, S or NR<sub>10</sub>; and

 $R_{2-10}$  are independently selected from the group consisting of hydrogen,  $C_{1-6}$  alkyls,  $C_{3-12}$  branched alkyls,  $C_{3-8}$  cycloalkyls,  $C_{1-6}$  substituted alkyls,  $C_{3-8}$  substituted cycloalkyls, aryls, substituted aryls, aralkyls,  $C_{1-6}$  heteroalkyls, substituted  $C_{1-6}$  heteroalkyls,  $C_{1-6}$  alkoxy, phenoxy and  $C_{1-6}$  heteroalkoxy;

provided that E<sub>6-8</sub> are not all H;

under conditions sufficient to cause a polymeric conjugate to be formed.